

Formation of *Alnus Incana* Phytocenoses and
Their Replacement by Spruce, by
V. S. Gel'tman, V. I. Parfenov.
RUSSIAN, per, Sbornik Botanicheskikh Rabot.
Belorusskoe Otdelenie Vsesoyuznogo Botani-
cheskogo Obshchestvo, No 3, 1961, pp 5-14.
*CISTT TT 66-51079

USSR
Sci/earth Sci
Jan 66

Investigation of the Green's Function in the Problem
of Diffraction by a Transparent Circular Cylinder,
by V. S. Buldyrev, 13 pp.
RUSSIAN, per, Sbornik Chisl Metody Resh Differ i
Integr Uravn i Kvadr Form, 1964, pp 275-286.
CIA/FDD X-5495

Sci - Phys
Dec 64
FOR OFFICIAL USE ONLY

269,776

Scattering by a Spheroid, by R. G. Barantsev,
V. G. Landman, 6 pp.
RUSSIAN, per, Sbornik Chisl Metody Resh Diff
Urav i Kvadr Form, 1964, pp 291-295.
CIA/FDD X-5487

Sci - Phys

Nov 64

For OFFICIAL USE ONLY

269,309

Application of Fertilizers Under Winter Crops,
by N. V. Gushchin

RUSSIAN, book, Sbornik na Chnykh Rabot sa Moskva.
Gos. Izdov Sel'skokhoz Lit, 1950, pp 78-89.
CIA D 400981

USDA

31,790

USSR

Sci - Biology
Mar 56 CTS/DEX

Theory of Diffraction From A Paraboloid of
Revolution, by V. A. Fok, 41 pp.

RUSSIAN, per, Sbornik (Collection of Papers),
Diffraktsia, "Sovetskoe Radio", Moscow, 1957,
pp 5-56.

CIA/FDD X-2526

Sci - Electronics
Aug 57

51, 911

Estimates of the Complexity of Algorithms for
Construction of Minimum Disjunctive Normal Forms
For Functions in Logic Algebra, by Yu. I. Zhuravlov.
RUSSIAN, rpt, Sb. Diskretn. Analiz., Vol 3, 1964,
pp 41-77.
*FTD-HT-23-708-68C

Sci/Math Sci
Aug 68

REQ TR CHECK

1-4-5

TB39

ENGLISH TITLE UNKNOWN

LARIONOV V P

UR: SBORNIK DOKLADOV 4TH MEZHVUZOVSKOY
KONFERENTSII PO PROBOYU DIELEKTRIKOV I
POLUPROVODNIKOV, vol 2, 11-16FEB63,
PUB 1964, pp54-58

*In process as**MT-24-71-1622**neg
27 Apr 11*

Bibliographic Problems in the Natural Sciences,
113 pp. by various authors

RUSSIAN, bk, Sbornik Dokladov na VI Nauchnoy
Konferentsii Biblioteki Akademii Nauk SSSR, Leningrad,
Mar 2-4, 1960. (Voprosy Otrasevoi Bibliografii po
Estestvennym Na kam)

Massachusetts Inst of Tech Lib
Cambridge 39, Mass

Sci

Mar 62

Conference on the Treatment of Heat-Resistant
Alloys, by V. I. Dikushin, 375 pp.

RUSSIAN, bk, Sbornik Dokladov, Obrabotka
Zharoprochnykh Splavov, Moscow, Soveshchaniye po
Obrabotke Zharoprochnykh Splavov, Izd-Vo Ak Nauk
SSSR, 1960, 231 pp. 969163 P-V

*FTD-TT-63-344

Sci - Materials
Mar 1963

PP 62-58 RAS 2552

PP 79-86 NLL M 3505

PP 79-97 NLL M 3505

PP 121-127 NLL M 3595

ST 513-15194

BIOLOGICAL BASIS OF FISHERIES IN THE WESTERN
PACIFIC OCEAN, BY P. A. MOISEYEV, 26 PP.

RUSSIAN, PER, SBORNIK DOK NA II PLENUME KOMISSII
PO RYBOKHOZYAY ISSLED ZAPAD CHASTI TIKHOGO OKEANA,
1962, PP 5-24.

PRS 20049

SCI - BIOL

JUL 63

X Nov 74 218
modified

235,315

RELATIONSHIP BETWEEN WINDS AND SURFACE CURRENTS
IN THE COASTAL WATERS OF CHINA, BY KUANG PIN-HSIEN,
13 PP.

RUSSIAN, BK, SBORNIK DOKLADOV NA II PLENUME
KOMISSII PO RYBOKHOZYAYSTVENNOMU ISSLEDOVANIYU
ZAPADNOY CHASTI TIKHOGO OKEANA, MOSCOW, 1962,
31-40.

JPRS 20031

SCI - BIOL/MED SCI

JUL63

235,273

Dividing the Pelagic Section of the Northwestern
Part of the Pacific Ocean Into Biogeographical
Areas, by V. G. Bogorov.

RUSSIAN, per, Sbornik Dokladov na II Plenum
Komissii po Rybokhozyaystvennomu Issledovaniyu
Zapadnoy Chasti Tikhogo Okean, 1962, pp 62-72.

*Navy/HO Tr 219

Sci - Earth Sci & Astron
Jan 64

FORMATION OF FISH RESOURCES IN RESERVOIRS OF THE
USSR, BY P. A. DRYAGIN, 11 PP.

^{DOK}
RUSSIAN, PER, SBORNIK ~~400~~ NA II PLENUME KOMISSII
PO RYBOKHOZYAY ISSLED ZAPAD CHASTI TIKHOGO OKEANA,
1962, PP 140-148.

JPRS 20049

SCI - BIOL

JUL 63

235,316

HYBRIDIZATION OF CARP WITH WILD CARP (CYPRINUS
CARPIO L.), BY V. S. KURPICHNIKOV, 10 PP.

RUSSIAN, PER, SBORKNIK DOK NA II PLENUME KOMISSII
PO RYBOKHOZYAY ISSLED ZAPAD CHASTI TIKHOGO OKEANA,
1962, PP 160-169.

JPRS 20049

SCI - BIOL
JUL 63

235,317

KALE

CULTIVATION OF SEA ~~BAKE~~ IN CHINA, BY
CHING CH'ENG-K'UEI, 13 PP.

RUSSIAN, RPT, SBORNIK DOKLADOV NA II PLENUME
KOMISSII PO RYBOKHOZYAYSTVENNOMU ISSLEDOVANIYU
ZAPADNOY CHASTI TIKHOGO OKEANA, 1962, PP 235-245

JPRS 20013

SCI - BIOL & MED
JUL 63

235,231

Nephelometric Determination of Small Amounts
of Cesium as Cesium Cadmium Cyanide, by
A. S. Kozlov.

RUSSIAN, per, Sbornik Dokladov Soveshch. Redkie
Shcheloch Elementy, Akad Nauk SSSR. Sibir
Otdel, 1958, pp 87-96.

*AEC

Sci - Phys
Jun 63

Chromatographic Separation of Mixtures
of Alkali Metals (Ion Exchange), by
N. K. Galkina, M. M. Senyavin.

RUSSIAN, rpt, Sbornik Dokladov Soveshchaniia
At Nauk SSSR Sibirskoy Otdele Redkie Uruchalochnye
Elementy, 1956, pp 87-96.

*AEC

Sci - Phys, Min/Met
Nov 62

DC-11208
17 March 1965

Origin of life in the Universe, 3-96

Voznikoveniye Zhizni vo Vselesnny; Sbornik Dokladov,
Moscow, 1964

Russian 32,900 wds
US R/Sci/Earth Sci
TD 1 April 1965
Include all illus.
DO NOT REPLICATE DOC

Cyrostat for the SF-4 Spectrophotometer,
by T. Sh. Davitashvili.

RUSSIAN, per, Sb. Elektron i Ionnyye

Protsessy v Tverd Telakh, No 1,

Tbilisi Metsniyereba, 1964, pp 101-102. *F/00073748-V*

*ITO HT 23-687-67

AN Gruzssr. Institut Fiziki. Fizika Nizkikh
Temperatur

Phys

May 67

22

Cross Relaxation due to Hyperfine Interactions,
by G. F. Mckhtiyev.
RUSSIAN, per, Sbornik Fiz Problemy Spektroskopii, T. ,
1963, pp 94-96.

~~FTD HT-65-375~~

FTD HT-66-368
AD 647 714

Sci- Phys
Jun 65

State of Rest and Degree of Transformation of Nutrients in the
Cells of Agricultural Plants, by E. Akinina, T. Pustovoitova.
RUSSIAN, per, Sbornik Fiziol Ustoichivostei Rast Ak Nauk
SSSR, 1960, pp 207-211.

CSIRO/No ~~60~~ 6203

Sci - Biol

Feb 64

250,333

Device for Automatic Subtraction of
Background (Noise), by N. D. Balyasnyy,
A. V. Dmitriyev, et al.
RUSSIAN, rpt, Sb Geofiz Priborostr,
Vol XVIII, 1964, pp 17-25.
*FTD INT 23-885-67

Sci-Phys
Jun 67

The Effect of Copper Alloying on Hardening Capacity
in the Temperature Range of 23--450 Deg,
by A. P. Semenov. *Lat*
RUSSIAN, per, Sbornik dokl Ak Nauk SSSR Inst Mashin
Tren i Iznos v Mashin, No 15, 1962, pp 227-233.
FTD-MT-65-28

Sci - Phys
Mar 65

276,360

Determination of Actual Surface Contact Areas
on Transparent Models, by E. M. Shvetsova,
30 pp.

RUSSIAN, per, Sbornik Institut Machinovedenia,
Vol VII, 1953, pp 12-33. 9693404
DDC RSIC-192

Sci - Phys
Sept 64

266,461

Friction and Wear in Machines.

RUSSIAN, bk, Sbornik XV Ak Nauk SSSR, Inst Mash
Iz Ak Nauk SSSR, 1962, Moskov 494 pp.

*PL-480
PST-10087

Sci
Jan 63

Friction and Wear in Machines.

RUSSIAN, bk, Sbornik XVI Ak Nauk SSSR Inst Mash,
Iz Ak Nauk SSSR, Moskov, Leningrad 1962, 311 pp.

*PL-~~8~~480
PST-1008

Sci

Jan 63

Calculation of the Isostatic Reduction of Gravity for
Gravimetric Points of the Crimea and the Black Sea,
by S. S. Tovchigrechko.

RUSSIAN, bk, Sbornik No 7, Issledovaniya po
Gravimetrii, Tsentral'nyy Nauchno-Issledovatel'skiy
Institut Geodezii, Aero i Kart, Vol VII, 1941,
pp 11-36.

ACTC

Sol - Geophysics

203, 164

Jun 62

The Effect of Preheating a Benzene-Air Mixture
on the Flame Propagation Velocity, by
A. N. Khinter, Ye. S. Golovina, A. V. Sorokin.
6 pp.

RUSSIAN, bk, Sbornik Issledovaniya Professov
Moskva, No 12, 1958, pp 77-80. 9871606

FTD MCL-1348/1

Sci - Phys

24 Nov 61

174,554

Shaskol'skaya, M. P. and El'tsin, I. A.
SELECTED PROBLEMS IN PHYSICS WITH ANSWERS.
1963, 1v
Order from PP \$3.75

Trans. of mono. [Sbornik Izbrannykh Zadach po
Fizike, Moscow, 1959, 207p].

DESCRIPTORS: *Physics, Theory, Statics, Mechanics,
Optics, Electricity.

(Physics, TT, v. 10, no. 12)

63-27626

I. Shaskol'skaya, M. P.
II. El'tsin, I. A.
III. Pergamon Press, Inc.,
New York

Office of Technical Services

Determination of the Actual Contact Areas of
Surfaces by Means of Transparent Models,
by E. M. Shvetsova.

RUSSIAN, per, Sbornik Iznos v Mashinakh, Inst
Mashinovedeniia Ak Nauk SSSR, Vol VII, 1953,
pp 12-33.

*Redstone Arsenal

Sci - Earth Sci & Astron
Oct 63

New Petroleum Deposits in the Bashkirskaya ASSR,
by A. S. Eygenson, Ye. G. Ivchenko.

RUSSIAN, bk, Sbornik Khimiya Seraorgan Soyedineniy,
Soderzhashchikhsya v Neftiyakh i Nefteproduktakh,
Vol IV, 1961, pp 100,102.

*FTD-TT-62-1321

Sci - Chem

21 Sept 62

Thermal Stability and Corrosive Activity of
Sulfur-Containing Fuels at Elevated Temperatures.

RUSSIAN, bk, Sbornik Khimiya Seraorgan Soyedineniy,
Soderzhashchikhsya v Neftiyakh i Nefteproduktakh,
Vol IV, 1961, pp 231-235.

*FTD-TT-62-1321

Sci - Chem, Fuels

21 Sept 62

Pattern Recognition Problem by
V. I. Varshavskiy, E. A. Sokovskiy.
RUSSIAN, per, Sb Kibernetika i Elektronnoyehisl
Tekh, (M.L. 12-26).
*FTD HT 67-444

Sci-

Mar 67

Hydrostatic Extrusion of Carbon and
Graphite Materials, by A. M. Sigarev.
RUSSIAN, per, Trudy Sbornik Konstruktsionnyye
Olegirailovyye Materialy, No 1, 1964,
pp 30-33.
*FTB-AT-23-633-67

Sci - Materials
Apr 67

The Cellular Structure of Thick-Layered Anodic
Oxide Films, by N. D. Tomashov, F. P. Zalivalov,
11 pp.
RUSSIAN, bk, Sbornik Korroziya Metallov i ~~Pl~~Splavov,
Metall, Moscow, 1963, pp 194-202. 9695872
FTD-TT-64-598

Sci - Phys
Feb 65

724,092

Heat Exchange in Regenerators, by J. Spal.
UNCLASSIFIED

RUSSIAN, per, Sbornik Kosiciach, No 1, 1957, pp 65-85.

M. Tollemache
The Old Rectory
Lewknor, OXON.

Nov 58

The Photo-Electronics Device for Studying
Variation in the Thickness of an Adsorption
Film and the Surface Electro-Conductivity of
Fresh Mica Crystall Chips, by V. D. Perevertayev,
M. S. Metsik.

RUSSIAN, bk, Sb. Kratkiye Soobshch o Nauchno-
Issled Rabotakh za 1961 g. Irkutskiy un-T
Irkutsk, 1963, pp 47-49.

CHECK FSTC-For Info On this Card.

Sci-Phys
Sept 66

Russian
The Influence of Decholine on the Metabolism of
Bilirubin, By V.Hoenig and J.Hoenigova.

~~CZECH~~; per, Sbornik Lekarsky, 1963, Vol.65,

No.2, pp.33-37.

SLA-TT-64-20037

B/M

Aug 66

308,684

Bio. Lab. R-486-1

R-7797-D
7 Dec 66

Q fever pathology in animals

By: A. Rychlo

From: Sbornik Lek. Fak. Univ. P. J. Safarika
5(3):1-80, 1962 (80 pp)

Slovak - est for wds:

Translate and type 1 camera ready copy. Document
can be cut. Typing instructions and cover-sample
attached, T-486-1.

Numerical Methods for Solving Certain Problems in
Structural Mechanics, by V. K. Kachurin.
UNCLASSIFIED

RUSSIAN, per, Sbornik ^ULe~~g~~inograd In-ta Inzh Zh-d
Transporta, Vol CXLVI, 1954, pp 294-312.

TIL & Tr 4877

Math
Sci - Eng
Jun 58

64,512

Comparative Analysis of Code Control Systems for
Railway Points and Light Signals, by V. N.
Sedov.

RUSSIAE, per, Sbornik Leningrad Ordena Lenina Inat
Inzhenerov Zheleznodorozhnogo Transporta i pami Ak
V. N. Guraeva, 1978, Vol. CLII, pp 301-313.

Co-op Tr Sch Br 393

USSR
Econ
Nov 57

55, 100

Spectroscopy Work of the Metal Physics Laboratory of
the Stalingrad Branch of Giprofteemash, by B. G.
Voronov.

RUSSIAN, ~~sk~~, Sbornik L'vovsk U, Fiz, Vol IV, No 9,
1958, pp 395-402.

*BISI 2369

Sci - Phys

Sep 61

list 1.0

A Spectrograph for Analyzing Molten Metal and Slag, by
I. M. Kustanovich.

RUSSIAN, per, Sbornik L'vovsk U, Fiz, Vol IV, No 2,
1958, pp 451-452.

*BISI 2370

Sci - Min/Metals

Sep 61

list 109

Collection of Materials Based on the Study of
Experiences of the War, 305 pp, (ID 1102431).
Full tr.
RUSSIAN, Sbornik Materialov po Izucheniyu Opyta Voiny,
No 2, Moscow, Sep/Oct 1942.

ID GSUSA F-7565

Collection of Materials for the Study of the Wartime
Experience, 254 pp.

RUSSIAN, per, ~~Sbornik~~ Materialov po Izucheniyu
Opyta Voyny, No 9, Nov/Dec 1943, publ by
Military Publishing House of the Peoples Com-
missariat of Defense, Moscow, 1944.

ACS, I, G-7878

USSR
Mil - Operations, Army, Voroshilovgrad
Jun 57

49,120

Designing Orthotropic Plates With Regard to
Bending, by S. A. Klimov.

RUSIAA, per, Sbornik Materialy po Metal
Konstruksiyam, Vol VIII, 1964, pp 110-153.

*FTI-III-23-624-67

Sci - Materials
Apr 67

Proceedings of the Working Conference on Slow
Neutron Physics. 240 pp.

RUSSIAN, bk, Sbornika Materilov Rabochego
Soveshchaniya po Fizika Medlennykh Neitronov,
7-12 X December 1961, 1962.

*AEC

Sci - Phys

Jun 63

Procedural Notes on Determination of Content of Solid,
Liquid and Gaseous Phases in Saline Ice, by B. A.
Savel'ev, 14 pp.

RUSSIAN, per, Sputnik Materialy po Labor Isaied
Merzlykh Gruntov, No 2, 1954, pp 176-192.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,507

Collection of Materials on the Preservation of
Library Resources, by L. G. Petrova, L. A. Belyakova,
258 pp.
RUSSIAN, bk, Sbornik Materialov po Sokhrannosti
Knizhnykh Fondov, No 2, 1953; No 3, 1958.
OTS 64-11053
SFCSI

Sci - Agri
Jan 65

272,771

■
Aeromagnetic Surveys and Their Value in Geological
Cartography, by A. I. Katskov, 6 pp.

RUSSIAN, per, Sbornik Materialy Vses Issled Geolog
Inst, No 11, 1947, pp 8-11.

ATIC F-TS-9086/V

Sci - Geophysics
Mar 1957 CTS

45,050

Oxidation of Binary Alloys, by I. N. Frantsevich and R. F. Voytovich, 9 pp.

RUSSIAN, per, sbornik Mekhanizm Vzaimodeystviya s Gazami, 1964, pp 135-142.

JPRS 32341

USSR

Sci - M/M

Oct 65

290,425

Separation of Mixtures by High Vacuum
Fractional Distillation, by N. M. Zhavoronkov.

50-1016
RUSSIAN, per, Metody i Protssessy Khim Tekhnol
Ak Nauk SSSR, ~~State Science~~, Vol I, 1955,
pp 45-64.

A.E.R.E. Harwell Lib Tr 694

Sci - Chem
May 57

48,115
Sci misc 2-6-57/1228

Nitrogen Nutrition of Tobacco, by V.
Olendskiy, D. Belanda.

RUSSIAN, per, Sbornik Nauch-Issled Rabot
Instit Tabaka i Vakh imeni M'koyana,
No 156, 1958, pp 123-138.

CSIRO 5353

Sci - Chem
Jul 62

207,622

RUSSIAN, per, Sbornik Nauch Issl Rabot Tash Tekstil
Inst, No 3, pp 144-146.

JPRS SF-1273

USSR
Biog
Jan 61

Changes in Chlorophyll and Nitrogenous Substances of
Different Colour Tobacco Leaves in the Periods of
Lightening and Curing., by A.G. Petrenko, S.P.
Ielyakova.

RUSSIAN, per, Storn.Nauchn.-Issled.Tabak.Vses.Nauch.
-Issled. Inst. Tabaka i Rukhoshki, No. 150, 1961,

pp 131-138

CS/115

Sol -

July 1, 71

204-501

Daily Course of Chlorophyll Content in Tobacco Leaves, by
Z. Belyakova.

RUSSIAN, per, Sbornik Nauchno Issledovatel' Skikh Rabot
V.N.I.T.I.M., No 153, 1963, pp 6-193
CSIRO/No 6920

Sci -

Aug 67

335,060

An Investigation of Hydrodynamic Fluid Flow
in Channels of Complex Shape, by A. G.

Temkin.

RUSSIAN, per, Sbornik Nauchno-Issledovatel'skikh
Studencheskikh Rabot-Tekhnologicheskii Institut
Pishchevoi Promyshlennosti, 1957, pp 156-178.

NIL RTS 2690 (On Loan or Purchase)

Aug 65

288,101

Kolodnyy, D. P.
AVAILABLE WORK IN THERMODYNAMIC PROC-
ESSES (Raspologayemaya Rabota v Termodinami-
cheskom Protsesse). Nov 60, 28p. 8 refs. F 1702.
Order from LC or SLA mi\$2.70, ph\$4.80 61-15002

Trans. of Tekstil'nyy Institut, Tashkent, Storn'k
Nauchno-Issledovatel'skikh Rabot (USSR) 1956, no. 3,
p. 40-54.

143,063

61-15002

- I. Gas flow--Energy
- I. Kolodnyy, D. P.
- II. RTS-1702
- III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

(Physics--Thermodynamics, TT, v. 5, no. 3)

Photoreaction of Mercury Salts of Organic Acids, by
Yu. A. Ol'dekop, N. A. Meyer, 5 pp.

RUSSIAN, per, Sbornik Nauch Rabot, Vol VIII, 1960,
pp 37-40.

CIA/FDD XX-1172
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

196, 441

May 62

USIB INTERNAL USE ONLY

Utilisation of Kinetic Energy in the Stages of
Impulse Type Steam Turbines, by G. I. Khutski.

RUSSIAN, per, Sbornik Nauch Rabot Belorussk
Politekh Inst, No 61, 1957, pp 175-190.

MLL M. 3577

Sci - Chem, Engr

207,776

Jul 62

Kachan, I. S.
THE INVESTIGATION OF SOME PROPERTIES OF
TITANIUM-ZIRCONIUM SILICATE GLASSES
(Izucheniye Nekotorykh Svoystv Titanotirkonievyykh
Silikatnykh Stekol). [1963] [32p] (foreign text included)
17 refs
Order from OTS or SLA \$3.60 63-20368

Trans. of Belorussian Politekh[nicheskii] Inst[itut]
Sbornik Nauch[nykh] Rabot [USSR] 1958, v. 63,
p. 27-40.

DESCRIPTORS: *Glass, Silicates, Zirconium com-
pounds, Oxides, Titanium compounds, Optical prop-
erties, Crystallization.

The regions of the glass formation and of the crystal-
lization of titanium-zirconium silicate glasses were
(Materials--Ceramics, TT, v. 10, no. 12) (over)

63-20368

I. Kachan, I. S.

Office of Technical Services

The Taxonomy of Forest Groupings, by
A. A. Korchagin, 18 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot Botan
Instituta im V. L. Komarova, Ak Nauk SSSR,
1945. 9212593

OTS 63-11027
PL-480

Sci - Earth Sci & Astron
Oct 63

345-378

K Voprosu O Printsipakh Klassifikatsii Lesnikh
Gruppirovok, by A. A. Korchagin, 16 p.

RUSSIAN, per, Sbornik Nauchnykh Rabot
Botanitscheskii Institut Akademijskikh Nauk, 1941-1943,
1946, pp 121-133.

9212598

9212818

OTS 65-1007

GPL 430

~~Ensign~~ Sv

PST 677

Sci. Cien.
Apr 61

COLLECTION OF SCIENTIFIC WORKS OF THE ELISTA PLAGUE-
CONTROL STATION, 246 PP.

RUSSIAN, BK, SBORNIK NAUCHNYKH RABOT ELISTINSKOY
PROTIVOKHUMNOY STATSII, NO 1, 1959, PP 1-252.

JPRS 15647

SCI - MEDICINE

OCT 62

216,255

Mironov, N. P., Tinker, I. S. and others.
CONTEMPORARY STATUS OF THE PLAGUE FOCUS
IN THE NORTH WESTERN CASPIAN SEA REGION
AND PROBLEMS ON ITS FURTHER STUDY (Sovremennoe Sostoyaniye Chumnogo Ochaga Severo-Zapadnogo Prikaspiya i Zadachi po Ego Dal'neishemu Izucheniyu). [1961] 18p. Trans. V-1717.
Order from OTS or SLA \$1.60 61-28155

Trans. of Elistinskaya Protivochumnaya Stantsiya.
Sbornik Nauchnykh Rabot (USSR) 1959 [v. 1] no. 1,
p. 19-29.

DESCRIPTORS: *Plague, Caspian Sea, Rats, Man,
*Epidemiology, Transmission, Control, *Fleas,
*Rodents, Bacteria, Parasites, Ecology

(Biological Sciences--Pathology, TT, v. 7, no. 5)

61-28155

I. Mironov, N. P.
II. Tinker, I. S.
III. Trans-V-1717

11-11-1

Office of Technical Services

The Coloring of Glass with Cobalt Pigments
of the Spinel Type, by G. A. Kovtunenka,
Z. N. Shuliko.

RUSSIAN, per, Sbornik Nauk Rabot, Inst Fiz-
Org Khim Akad Nauk Belorus SSR, No 7, 1959,
pp 185-187.

ATS RJ-3924

Sci-Chem
Dec 63

244,874

The Effects of Irradiation With X-Rays on the
Thermal Decomposition of Barium Azide, by B. V.
Yerofeyev, V. V. Syridov.

RUSSIAN, per, Sbornik Nauchnykh Rabot, Inst Khim,
Ak Nauk BSSR; Coll. of Sci. Pub Inst of Chem Acad of
Sci Belorussian SSR, Vol V, No 1, 1956, pp 113-129.

*JPRS for Picatinny Arsenal

Sci - Physics
Apr 61

The Influence of a Third Element on the Lattice
Parameters of Silver-Cadmium Alloys, by S. D.
Gertsriken, et al.

RUSSIAN, per, Sbornik Nauch Rabot Lab Metallofiz,
Akad Nauk Ukrain SSR, No 3, Kiev, 1952, pp 114-121.

ATS RJ-1753

Sci - min/met
Jul 59

90,558

60-16650

Dekhtar, I. Ya.

TEMPERATURE DEPENDENCE OF HEAT RESISTANCE OF A SOLID SOLUTION (O Temperaturnoy Zavisimosti Zharoprochnosti Tverdogo Rastvora) tr. by J. D. 27 Dec 57, 9p. (14 equations omitted). Order from LC or SLA mi\$1.80, ph\$1.80 60-16650

Trans. of Akademiya Nauk USSR (Metallurgiya). Metallotiziki. Sbornik Nauchnykh Rabot, 1955, v. 6, p. 85-91.

An analysis is made of diffusion plasticity based upon the diffusion-deformation resistance relationship at high temperatures. A determination is made of conditions corresponding to maximum strength of a solid solution at temperatures at which rates of diffusion are significant, specifically, when melting temperature decreases with concentration of the secondary alloying element. At high temperatures the composition of an alloy shifts with temperature increase in the direction of the solvent. (Metallurgy--Structural, TT, v. 5, no. 8)

1. Alloys--Deformation
2. Alloys--Temperature factors
1. Dekhtar, I. Ya.

151419

Office of Technical Services

62-12428

Polotskiy, I. G. and Benieva, T. Ya.
EFFECT OF SONIC AND ULTRASONIC
FREQUENCY OSCILLATIONS ON THE CRYSTAL-
LIZATION PROCESS OF METALS. [1962] 12p.
26 refs.
Order from RIS \$23.00 RIS A 128

Trans. of Akad[emiya] Nauk [URSR, Kiev],
Inst[ytut] Metallofiz[yky]. Sb[ornik] Nauchn[ykh]
Rabot. 1967. v. 8. p. 165-169.

DESCRIPTORS: *Metals, *Crystallization, Oscil-
lations, Frequency, Ultrasonics, Sonar, Alloys,
Grains(Metallurgy).

(Physics--Solid State, TT, v. 8, no. 3)

I. Polotskiy, I. G.
II. Benieva, T. Ya.
III. RIS A-128
IV. Research Information
Service, New York

Office of Technical Services

61-22418

Skryshevskiy, A. P.
X-RAY INVESTIGATION OF CLOSEST ORDER IN
SOME LIQUID ALLOYS. [1961]
Order from FRI

FRI Trans-140

Trans. of Akad[emiya] Nauk [URS. Kiey]. Inst[itut]
Metallofiz[iki. Sbornik] Nauch[nykh] Rabot. 1957,
no. 8, p. 187-198.

DESCRIPTORS: *Alloys, *Liquid metals, *X-ray
diffraction analysis.

I. Skryshevskiy, A. P.
II. FRI Trans-140
III. Fulmer Research Inst.,
Ltd. (Gr. Brit.)

101874

Office of Technical In. Serv.

(Metallurgy, TT, v. 6, no. 1)

Effect of Method of Plastic Deformation on
Internal Stresses in Metal, by L. I. Lysak, Yu. P.
Sogrishin.

RUSSIAN, per, Sbornik Nauchnykh Rabot Inst
Metallofiz Akad Nauk Ukrain SSR, No 9, 1959,
pp 22-26.

BISI 2371

Sci - Min/Metals

171, 400

Oct 61

61-12550

Larikov, L. N.
GROWTH OF CRYSTALS IN THE SOLID PHASE.
[1960] 11p. 34 refs.
Order from MDF \$6.00

MDF L-135

Trans. of [Akademiya Nauk URSR, Kiev. Institut
Metallofiziki. Sbornik Nauchnykh Rabot] 1959,
no. 10, p. 111-120.

148,618

- I. Crystals--Growth
- I. Larikov, L. N.
- II. MDF L-135
- III. Friedman, Morris D.,
Inc., West Newton, Mass.

Office of Technical Services

(Physics--Solid State. TT. v. 5, no. 7)

61-12551

Larikov, L. N.
INFLUENCE OF SOLUBLE IMPURITIES OF THE
LINEAR GROWTH RATE OF RECRYSTALLIZA-
TION CENTERS. [1960] 10p. 34 refs.
Order from MDP \$5.50 MDP L-136

Trans. of [Akademiya Nauk USSR, Kev. Institut
Metallofiziki (Sbornik Nauchnykh Rabot)] 1959,
no. 10, p. 121-129.

148,619

1. Single crystals
(Metallurgy)--Impurities
2. Crystallization--Analysis
3. Crystals--Growth
- I. Larikov, L. N.
- II. MDP L-136
- III. Friedman, Morris D.,
Inc., West Newton, Mass.

Office of Technical Services

(Physics--Solid State, TT, v. 5, no. 7)

Problems of Psychiatry and Neuropathology, Vol I,
375 pp.

RUSSIAN, bk, Sbornik Trudov Leningradskogo Nauchnogo
Obshchestva Nevropatologov i Psikhiatrov, No 3, 1958.

OTS 60-21173
PL-480

Sci - Med

Apr 62

PST 210

62-18524

Lesnik, A. G.
THERMODYNAMIC PROPERTIES OF ALLOYS OF THE
Fe - Cr SYSTEM [Termodinamicheskie Svoistva
Splavov Sistem Fe - Cr]. [1962] 34p. 31 refs.
Order from OTS or SLA \$3.60 62-18524

Trans. of Akademiya Nauk URSR, Kiev. Institut
Metallfiziki, Sbornik Nauchnykh Rabot, 1960 [v. 11]
p. 3-21.

DESCRIPTORS: *Thermodynamics, *Alloys, *Iron,
*Chromium, Phase studies, Statistical analysis.

(Metallurgy, TT, v. 9, no. 11)

Office of Technical Services

Effect of Hardening and Tempering of Steel on Fine
Crystalline Structure of Martensite, by L. I. Lysak.

RUSSIAN, bk, Sbornik Nauchnykh Rabot Instituta
Metallo-Fiziki, AN Uk SSR, Kiev, No 12, 1961,
pp 21-36.

PTD-11-62-625

Sci - Phys, Min/Met, Chem

13 Apr 62

Method of Studying the Energy Composition of
Electrons in Metal With Use of Phenomenon of
Annihilation of Positrons With Electrons, by I. Ya.
Dekhtyar, V. S. Mikhalev.

RUSSIAN, bk, Sbornik Nauchnykh Rabot Instituta
Metallo-Fiziki, AN Ukr SSR, Kiev, No 12, 1961,
pp 46-60.

*PPD-11-62-625

Sci - Phys

18 Apr 62

Gertsriken, S. D., Dekhtyar, L. Ya., and Kumok, L. M.
A STUDY OF DEFECTS OF THE CHROMIUM CRYSTAL-
LINE STRUCTURE IN RESPECT TO THE EXTENT
OF DEFORMATION. [1962] Sp. 4 refs.
Order from DTIC or SLA \$1.10

63-10866

Trans. of Akademiya Nauk URSR, Kiev, Institut
Metallotekhn. (Sbornik Nauchnykh Rabot, 1961, v. 12,
p. 93-101).

DESCRIPTORS: *Chromium, Crystal structure,
*Deformation, *Crystal lattice defects, *Creep.

(Physics--Solid State, TT, v. 10, no. 1)

63-10866

I. Gertsriken, S. D.
II. Dekhtyar, L. Ya.
III. Kumok, L. M.

Office of Technical Services

The Effect of Alloying Elements on Variations, During
Tempering of Mosaic Structure and the Distortion of
Crystalline Lattice of Martensite, by L. I. Lysak.

RUSSIAN, bk, Sbornik Nauchnykh Rabot Instituta
Metallo-Fiziki, AN Ukr SSR, Kiev, No 12, 1961,
pp 124-134.

FTD-TT-62-625

Sci - Min/Met, Phys, Chem

13 Apr 62

Crystal Lattice Defects and X-Ray Scattering, by V. M. Danilenko, L. V. Tikhonov, 79 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot, Akademiya Nauk
USSR, Kiev Institut Metallofiziki, No 15, 1962.

CFSTI TT-66-61769

AD-635 407

313,264

Sci-

Oct 66

Calibration of the VR-5/20 Thermocouple
to Critical Points up to 3000°C.
Determination of the Melting Points of
Vanadium and Niobium of High Purity,
by Yu. A. Kocherzhinskiy, G. F. Kobzenko.
RUSSIAN, per, Sbornik Nauchnykh Rabot
AN UKHSSR Institut Metalofiziki, No 17,
1963, pp 209-210.
*FTD-TT-65-1888

Sci-Chem

Investigation of Chromium-Iron-Molybdenum and
Chromium-Iron-Tungsten Alloys, by

R. A. Alfintseva, et al.

RUSSIAN, per, SL Nauchn Rabot Inst Metallofiz

Akad Nauk Ukr SSSR, Vol XX, 1964,

pp 108-124.

ADDA TT F-10,285

Sci-Materials

Nov 66

312,275

Phase Equilibrium Diagram of the Hf-Ta
System in the Solid State, by V. N. Svechnikov,
et al.

RUSSIAN, per, 6b Nauchn Rabot Inst Metallofiz
Akad Nauk Ukr SSR, Vol XIX, 1964, pp 206-211.
NASA TT F-10,280

Sci-Phys

Nov 66

312.502

Morphological Changes in the Skin Tissues of Cattle
Parasitized by Ixodid Ticks, by U. Uzakov.
RUSSIAN, per Sb. Nauch. Rab. Izb. N.I. Vet. Inst.
Vol. 15, 1963, pp 109-113
OSIRO/No. 7491

Sci -
Aug 67

339-481

Table of Contents and Review of:
Collection of Scientific Papers, by G. V.
Plekhanova, 6 pp.

RUSSIAN, bk, Sbornik Nauchnykh Rabot, Vyp 11,
by Moscow, Institut Narodnogo Khozyaystva,
Moscow, No 11, 1957, 237 pp.

B-270
Head, Lib Sv Sec
Air Info Biv
Lib of Congress

Trippel, A. I.
QUALITATIVE DETERMINATION OF HIGHER
FATTY ACIDS BY PAPER CHROMATOGRAPHY IN
ONE DIMENSION. 6p. 35 refs.
Order from SLA \$1.10 61-20496

Trans. of Institut Sovetskoi Torgovli. Sbornik
Nauchnykh Rabot (USSR) 1959, v. 13, p. 133-138.

DESCRIPTORS: *Fatty acids, Determination,
*Chromatographic analysis.

The paper chromatographic method proposed by
N. P. Kaufman was found to be suitable for separation
of higher fatty acids from C₁₀ to C₁₈, but was un-
suitable for fatty acids lower than C₁₀, due to solu-
bility of copper salts of lower fatty acids, which
makes it impossible to render the spots visible by
means of potassium ferrocyanide. The paper
(Chemistry--Analytical, TT, v. 7, no. 9) (over)

61-20496

I. Trippel, A. I.

Office of Technical Services

Roginskiĭ, V. N.
HET ONTWERPEN VAN SEQUENTIALCIRCUITS MET
BEHULP VAN RELAIS (The design of sequential
circuits with the aid of relays) tr. by G. B. J. Overbeck.
20p. 6 refs. MTWL: 829. (Text in Dutch).
Order from OTS or ETC \$1.85 61-17388

Trans. of: Akademiya Nauk SSSR. Sbornik Nauchnykh
Rabot po Provodnoi Svyazi (USSR) 1955, no. 4,
p. 111-127.

DESCRIPTORS: *Circuits, Relays, Design.

61-17388

I. Roginskiĭ, V. N.
II. MTWL-829
III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Micro-Macroscopic Data on the Pelvic Fascia and
Its Relation to the Female Pelvic Organs, by
T. P. Gorbacheva, 9 pp.

RUSSIAN, per, Sbornik Nauchnoy Raboty
Vysshelovskogo Otdel Vsesoyuznogo Chelovek
Anatomii, Gistologii, i Embriologii,
No 1, 1957, pp 47-50.

NIH RSTP Ab-260

Sci - Med

Apr 60

115,061

(2027-N)

Conditions for the Use of the Masking Method
In Four-Color Offset Reproduction and the
Effectiveness of this Method, by S. P. Miklashevskiy,
63 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot, VNIIPIT,
Vol VII, Moscow, 1956, pp 3-54.

JPRS L-628-N

Sci - Physics
Mar 59

. 82,112

TSS-318

(2027-N).

The Search for the Means of Improving the
Fixation of Thermostats on Impressions, by
N. S. Maltanovskaya, 20 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot VNIIPPIT,
Vol VII, 1956, pp 103-120.

JPRS L-719-N

Sci - Chem

Apr 59

85,354

RDS-318

(SD27-N).

A New Fabric for Covering the Hot Rollers of
Offset Printing Machines, by A. G. Grechikova,
14 pp.

RUSSIAN, per, Shornik Mashaykh Robot VNIIPPIN,
Vol VII, 1956, pp 180-181.

JPRS L-720-N

Sci - Engr

Apr 59

85,352

TSS-316

(GOST-N).

Checking the Wear Resistance of the Surface
of Offset Plates, by V. S. Lopatukhin, 36 pp.

RUSSIAN, per, Sbornik Nauchnykh Rabot VNIIT,
Vol VII, 1976, pp 153-189.

JPRS L-721-N

Sci - Eng

85, 353

Apr 79

TSS-318

(SOST-W).

Thermocolors (Hot Press Inks) for Intaglio Printing.
by N. S. Maltanovskaya, 18 pp.

RUSSIAN, per, Storinskaya Rebet VENIPIAT,
Vol VII, 1956, pp 216-225.

JPRS L-722-N

Sci - Chem

Apr 79

85, 357